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| 1 | US 20060013326 A1 | 20060119 | 47 | Propagation path estimation method and apparatus | 375/260 | |
| 2 | US 20050276348 A1 | 20051215 | 24 | Method and apparatus for multi-user transmission | 375/299 | 375/260 |
| 3 | US 20050175116 A1 | 20050811 | 72 | OFDM, CDMA, spread spectrum, TDMA, cross-correlated and filtered modulation | 375/267 | 375/347 |
| 4 | US 20050129139 A1 | 20050616 | 47 | Tag tracking | 375/295 | |
| 5 | US 20050129137 A1 | 20050616 | 92 | Multiple-output multiple-input (MIMO) communication system, MIMO receiver and MIMO receiving method | 375/267 | 375/347 |
| 6 | US 20050100120 A1 | 20050512 | 24 | Wireless internet access system and method | 375/347 | 375/267 |
| 7 | US 20050031045 A1 | 20050210 | 19 | Methods and apparatus for synchronously combining signals from plural transmitters | 375/260 | |
| 8 | US 20040227622 A1 | 20041118 | 46 | Device and method for communicating data signals through multiple power line conductors | 375/258 | 375/260 |
| 9 | US 20040196923 A1 | 20041007 | 72 | CDMA, W-CDMA, 3rd generation interoperable modem format selectable (MFS) systems with GMSK modulated systems | 375/299 | |
| 10 | US 20040190636 A1 | 20040930 | 33 | System and method for wireless communication systems | 375/260 | 375/299; 375/346 |
| 11 | US 20040141548 A1 | 20040722 | 31 | Software adaptable high performance multicarrier transmission protocol | 375/146 | 375/260 |
| 12 | US 20040114675 A1 | 20040617 | 32 | OFDM pilot tone tracking for wireless LAN | 375/149 | 375/260; 375/327 |
| 13 | US 20040028146 A1 | 20040212 | 14 | Method and apparatus for transferring multiple symbol streams at low bit-error rates in a narrowband channel | 375/260 | |

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| 14 | US 20040005018 A1 | 20040108 | 28 | Receiver and method for WLAN burst type signals | 375/340 | 375/260 |
| 15 | US 20040001556 A1 | 20040101 | 14 | System implementing closed loop transmit diversity and method thereof | 375/267 | 375/279 |
| 16 | US 20030156657 A1 | 20030821 | 7 | Transmitter for transmitting signals over radio channels and method for transmitting signals over radio channels | 375/295 | |
| 17 | US 20030112878 A1 | 20030619 | 43 | Inroute training in a two-way satellite system | 375/259 | |
| 18 | US 20030063678 A1 | 20030403 | 31 | OFDM pilot tone tracking to reduce performance loss due to frequency pulling and pushing | 375/260 | |
| 19 | US 20030048834 A1 | 20030313 | 66 | Spectrally efficient FQPSK, FGMSK, and FQAM for enhanced performance CDMA, TDMA, GSM, OFDM, and other systems | 375/219 | 375/259 |
| 20 | US 20020191703 A1 | 20021219 | 24 | Method and apparatus for utilizing channel state information in a wireless communication system | 375/267 | |
| 21 | US 20020159533 A1 | 20021031 | 34 | OFDM pilot tone tracking for wireless lan | 375/260 | |
| 22 | US 20020159531 A1 | 20021031 | 8 | OFDM data demodulators synchronization | 375/260 | 375/354 |
| 23 | US 20020154705 A1 | 20021024 | 27 | High efficiency high performance communications system employing multi-carrier modulation | 375/267 | 375/261; 375/298; 375/299 |
| 24 | US 20020150168 A1 | 20021017 | 16 | Optimum phase error metric for OFDM pilot tone tracking in wireless LAN | 375/260 | 375/262; 375/341 |
| 25 | US 20020044611 A1 | 20020418 | 12 | Method of multiple-antenna wireless communication using space-time codes | 375/267 | |
| 26 | US 7010055 B2 | 20060307 | 13 | System implementing closed loop transmit diversity and method thereof | 375/267 | 375/279 |

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| 27 | US 7006848 B2 | 20060228 | 31 | Method and apparatus for utilizing channel state information in a wireless communication system | 455/562.1 | 375/267; 455/101 |
| 28 | US 6990345 B2 | 20060124 | 27 | Method and apparatus for wireless position location | 455/440 | 375/148; 375/267; 455/65; 455/70 |
| 29 | US 6990137 B2 | 20060124 | 36 | System and method for received signal prediction in wireless communications systems | 375/142 | 370/334; 375/150; 375/267; 375/343; 375/347; 375/349; 455/137; 455/273; 455/278.1 |
| 30 | US 6980091 B2 | 20051227 | 50 | Power line communication system and method of operating the same | | 333/24R; 375/259; 700/286; 702/62; 709/224 |
| 31 | US 6980090 B2 | 20051227 | 42 | Device and method for coupling with electrical distribution network infrastructure to provide communications | | 375/222; 375/259 |
| 32 | US 6965303 B2 | 20051115 | 49 | Power line communication system and method | 375/260 | 307/3; 340/310.1 7; 370/485; 375/258 |
| 33 | US 6965302 B2 | 20051115 | 38 | Power line communication system and method of using the same | 370/475 | 375/259 |
| 34 | US 6959052 B2 | 20051025 | 25 | Receiving apparatus, receiving method, program and information recording medium | 375/340 | 370/206; 370/212; 375/260 |
| 35 | US 6952455 B1 | 20051004 | 21 | Adaptive antenna method and apparatus | 375/267 | 375/299 |

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| 36 | US 6952454 B1 | 20051004 | 32 | Multiplexing of real time services and non-real time services for OFDM systems | 375/260 | 370/208; 370/480; 375/295; 375/340 |
| 37 | US 6944236 B2 | 20050913 | 10 | Method of multiple-antenna wireless communication using space-time codes | 375/267 | 375/299 |
| 38 | US 6937665 B1 | 20050830 | 25 | Method and apparatus for multi-user transmission | 375/260 | 370/210; 375/340 |
| 39 | US 6879878 B2 | 20050412 | 43 | Method and system for controlling a robot | 700/245 | 318/568.1 1; 342/353; 342/89; 375/295; 375/316; 700/247; 700/248; 700/249; 700/250; 700/259; 701/207; 701/209; 701/213; 701/23 |
| 40 | US 6868112 B2 | 20050315 | 11 | Apparatus and method for detecting signals of space-time coding based on transmission diversity | 375/147 | 370/204; 370/342; 370/470; 375/267; 375/342 |

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| 41 | US 6844841 B1 | 20050118 | 12 | Radio frequency link performance tool process and system | 342/13 | 342/16; 342/165; 342/173; 342/175; 342/195; 342/450; 375/130; 375/140; 375/146; 375/147; 375/219; 375/295; 375/316; 455/84 |
| 42 | US 6834043 B1 | 20041221 | 26 | Method and device for exploiting transmit diversity in time varying wireless communication systems | 370/310 | 370/203; 370/335; 370/342; 375/295; 375/347; 455/65; 455/69 |
| 43 | US 6810087 B2 | 20041026 | 25 | Ultra-wideband communications system | 375/259 | 332/185; 380/33; 380/35 |
| 44 | US 6771706 B2 | 20040803 | 22 | Method and apparatus for utilizing channel state information in a wireless communication system | 375/267 | 375/260; 375/296; 375/347; 375/349; 455/101 |
| 45 | US 6760387 B2 | 20040706 | 35 | Impulse radio receiver and method for finding angular offset of an impulse radio transmitter | 375/267 | |
| 46 | US 6757334 B1 | 20040629 | 72 | Bit rate agile third-generation wireless CDMA, GSM, TDMA and OFDM system | 375/259 | 375/219; 375/261; 375/296; 375/298 |
| 47 | US 6665348 B1 | 20031216 | 76 | System and method for interoperable multiple-standard modulation and code selectable Feher's GMSK, enhanced GSM, CSMA, TDMA, OFDM, and third-generation CDMA, W-CDMA and B-CDMA | 375/259 | 375/130; 375/219; 375/261; 375/298 |

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| 42 | Vook; Frederick W. et al. |
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| 48 | US 6633616 B2 | 20031014 | 32 | OFDM pilot tone tracking for wireless LAN | 375/326 | 370/206; 370/210; 375/147; 375/260; 375/349 |
| 49 | US 6549583 B2 | 20030415 | 16 | Optimum phase error metric for OFDM pilot tone tracking in wireless LAN | 375/260 | 370/206; 370/210; 375/130; 375/349 |
| 50 | US 6510181 B1 | 20030121 | 14 | Method and device for transmitting information, method and device for receiving information | 375/259 | 375/295; 375/316 |
| 51 | US 6493398 B1 | 20021210 | 47 | Burst mode digital communications system | 375/295 | 375/324 |
| 52 | US 6487252 B1 | 20021126 | 12 | Wireless communication system and method for synchronization | 375/260 | 370/320; 370/324; 370/330; 370/350; 370/481; 370/482; 370/503; 370/509; 370/513; 370/515; 375/142; 375/145; 375/149; 375/295; 375/316; 375/330; 375/342; 375/343; 375/355; 375/362; 375/364; 375/367 |

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| 53 | US 6473467 B1 | 20021029 | 29 | Method and apparatus for measuring reporting channel state information in a high efficiency, high performance communications system | 375/267 | 370/208; 370/210; 375/144; 375/260; 375/299; 375/347 |
| 54 | US 6470055 B1 | 20021022 | 71 | Spectrally efficient FQPSK, FGMSK, and FQAM for enhanced performance CDMA, TDMA, GSM, OFDN, and other systems | 375/259 | 370/215; 375/219; 375/261; 375/269; 375/298; 375/308; 375/329 |
| 55 | US 6327310 B1 | 20011204 | 8 | Wireless transmission method for antenna arrays, having improved resistance to fading | 375/259 | 375/267; 375/346; 375/347 |
| 56 | US 6317688 B1 | 20011113 | 14 | Method and apparatus for achieving sole means navigation from global navigation satelite systems | 701/213 | 244/3.1; 244/3.2; 340/990; 340/994; 342/353; 342/357.0 8; 342/357.1 4; 375/259; 375/377; 701/214; 701/215; 701/220; 701/221 |
| 57 | US 6314127 B1 | 20011106 | 18 | System and method for enhancing signal reception | 375/144 | 375/148; 375/267; 375/347; 375/349; 455/137 |

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| 58 | US 6239741 B1 | 20010529 | 10 | UWB dual tunnel diode detector for object detection, measurement, or avoidance | 342/135 | 342/118; 342/134; 342/175; 342/195; 342/21; 342/27; 342/70; 342/89; 375/295; 375/316; 375/340 |
| 59 | US 6178207 B1 | 20010123 | 34 | Aircraft combat training signal processing system | 375/259 | 342/450; 375/316 |
| 60 | US 6028900 A | 20000222 | 17 | Digital broadcast receiver | 375/344 | 329/304; 375/260; 455/182.2 |
| 61 | US 5812598 A | 19980922 | 32 | Hearing assist system employing time variant modulation transmission to hearing aid | 375/259 | 381/312; 381/321; 381/94.1; 381/94.8 |
| 62 | US 5615229 A | 19970325 | 33 | Short range inductively coupled communication system employing time variant modulation | 375/259 | 381/312; 381/314; 381/79; 455/41.1 |
| 63 | US 5568516 A | 19961022 | 39 | Very low power cordless headset system | 375/259 | 375/219; 375/258; 381/163; 455/41.1 |
| 64 | US 5285480 A | 19940208 | 15 | Adaptive MLSE-VA receiver for digital cellular radio | 375/348 | 370/337; 375/295; 375/341; 375/343; 708/319 |
| 65 | US 5170413 A | 19921208 | 17 | Control strategy for reuse system assignments and handoff | 375/260 | 370/332; 375/267; 375/347; 375/358; 455/59; 455/71 |

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| 66 | US 4837786 A | 19890606 | 45 | Technique for mitigating rain fading in a satellite communications system using quadrature phase shift keying | 370/206 | 370/317; 370/535; 370/538; 370/543; 370/914; 375/138; 375/260; 375/267; 375/347; 375/349; 380/34 |
| 67 | US 4494238 A | 19850115 | 23 | Multiple channel data link system | 375/141 | 375/267; 455/315; 455/506; 455/59 |
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| 69 | US 4153881 A | 19790508 | 13 | Early flood warning system | 375/242 | 327/301; 340/539.1; 340/539.2; 340/620; 375/259; 73/304R |
| 70 | US 4104638 A | 19780801 | 9 | Cooperative type anti-collision radio system | 342/455 | 340/825.6; 375/295; 455/79 |
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